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MOHAMED H. ALY

EXPERIENCE

THE ADDRESS HOLDING

Frontend Engineer

Nov 2024 - Present

- **Internal system development:** Built and maintained CRMs and HRMs using Next.js, focusing on performance, scalability, and maintainability.
- **Project ownership:** Spearheaded development of a property listing e-commerce website, authoring 85%+ of the production code.
- **SEO optimization:** Implemented server-side rendering and dynamic routing to maximize organic visibility and meet SEO best practices.
- **Cross-functional collaboration:** Worked closely with designers and backend teams to ensure seamless UI/UX and reliable system integration.

SIDEUP

Senior Frontend Engineer

Dec 2023 – Nov 2024

- **Led and mentored junior engineers:** Cultivated a collaborative environment, fostering skill development and productivity.
- **Hands-on coding leadership:** Prioritized efficient task distribution, tackled complex features, ensuring robust code quality.
- **Stakeholder collaboration:** Provided valuable insights, aligning dashboard direction with user needs and business objectives.
- **Process optimization:** Implemented initiatives to streamline workflows, enhance productivity, and ensure code efficiency and reliability.

SIDEUP

Frontend Engineer

Feb 2023 – Dec 2023

- **Led frontend development:** Spearheaded the creation of a cutting-edge B2C shipping dashboard using React, TypeScript, and Bootstrap, ensuring seamless integration with backend systems.
- **Ensured optimal UX/UI:** Collaborated with UX designers to create an intuitive design, enhancing user satisfaction and usability.

- **Maintained system stability:** Partnered with QA to conduct rigorous testing and debugging, ensuring high reliability and performance.
- **Adapted to new tech:** Quickly mastered Next.js and Material UI to maintain and improve previous versions, demonstrating adeptness in learning new technologies.

ADVANCED COMPUTER TECHNOLOGIES (ACT)

Interface Specialist

Feb 2022 - Feb 2023

- **System Integration Expertise:** Integrated digital subsystems like Door Lock Systems, IPTV, and POS with Property Management Systems for renowned hotel chains, facilitating seamless operations.
- **Agile Collaboration:** Collaborated in agile settings, prioritizing and addressing stakeholder requirements, ensuring effective communication and alignment.
- **Remote Troubleshooting:** Analyzed logs and error codes to troubleshoot issues remotely, minimizing downtime and ensuring prompt issue resolution.
- **Project Coordination Expertise:** Orchestrated the integration of Oracle's Opera Web Services for 480+ Intercontinental Holiday Inn Group (IHG) hotels globally within four months, demonstrating adeptness in coordinating complex projects with multiple stakeholders and ensuring timely execution.

EDUCATION

BACHELOR OF SCIENCE (B.S), MANAGEMENT INFORMATION SYSTEMS, GPA 3.1

July 2021

Arab Academy for Science & Technology & Maritime Transport (AASTMT)

TECHNICAL SKILLS

FRONTEND	BACKEND	DATABASES & DEVOPS	TOOLS & CONCEPTS
<ul style="list-style-type: none"> • HTML5, CSS3, SASS • Bootstrap, Tailwind • JavaScript, TypeScript • React, Redux, React-Query • Angular, Next.js, Three.js 	<ul style="list-style-type: none"> • Node.js, Express • PHP, C • RESTful APIs 	<ul style="list-style-type: none"> • MongoDB, MySQL, PostgreSQL • Redis, Firebase 	<ul style="list-style-type: none"> • Git & GitHub, CI/CD, Jira • Bash CLI, Docker, Serverless • Data Structures, Algorithms • Unit Testing

PROJECTS & COURSES/CERTIFICATES

A comprehensive list of all the projects I've contributed to, including detailed descriptions and the technologies utilized, can be found in my [online portfolio](#). Additionally, my completed courses and certificates are available there as well.